WEST Search History

Hide Items Restore Clear Cancel

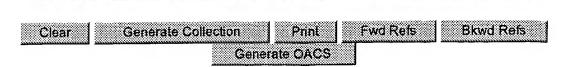
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	L9	L8 with (disease or condition)	9			
	L8	15 with kallikrein	229			
DB=USPT; PLUR=YES; OP=ADJ						
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	L6	L5 and 12	33			
	L5	inhibitor with protease	12730			
	L2	white.in.	12319			
	L1	6613890	1			

END OF SEARCH HISTORY

eb bcgb chh e e b f c

Hit List



Search Results - Record(s) 1 through 9 of 9 returned.

1. Document ID: US 5935854 A

Using default format because multiple data bases are involved.

L10: Entry 1 of 9

File: USPT

Aug 10, 1999

US-PAT-NO: 5935854

DOCUMENT-IDENTIFIER: US 5935854 A

TITLE: Human amyloid protein precursor homolog and kunitz-type inhibitor

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Sprecher; Cindy A.

Seattle

WA

Foster; Donald C.

Seattle

WA

Norris; Kjeld E.

Hellerup

DK

US-CL-CURRENT: 435/331; 530/387.9, 530/388.1

Full Title Citation Front Review	Classification Date Reference	Claims KMC Draw
***************************************	•••••••••••••••••••••••••••••••••••••••	
2. Document ID: US 56		

US-PAT-NO: 5677146

DOCUMENT-IDENTIFIER: US 5677146 A

TITLE: Human amyloid protein precursor homolog and kunitz-type inhibitor

Full Title Citation Front Review Classificati	on Date Reference	Claims	KUNC	Draws De
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3. Document ID: US 5532124 A		 ***************************************	***********	

US-PAT-NO: 5532124

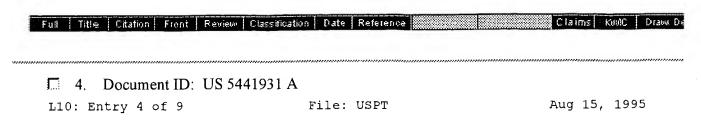
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** See image for Certificate of Correction **

TITLE: Genetically engineered bacteria to identify and produce medically important

h eb bgeeef e ef be

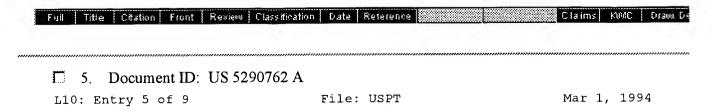
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US-PAT-NO: 5441931

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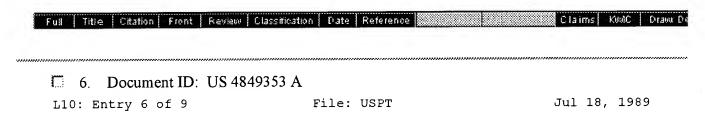
TITLE: Human amyloid protein precursor homologue and Kunitz-type inhibitors



US-PAT-NO: 5290762

DOCUMENT-IDENTIFIER: US 5290762 A

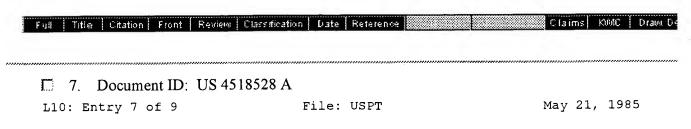
TITLE: Treatment of inflammation



US-PAT-NO: 4849353

DOCUMENT-IDENTIFIER: US 4849353 A

TITLE: Immunocapture of enzyme inhibitor, enzyme complexes and uses thereof



US-PAT-NO: 4518528

DOCUMENT-IDENTIFIER: US 4518528 A

TITLE: .alpha. Amino fluoro ketones



8. Document ID: US 4118481 A

L10: Entry 8 of 9

File: USPT

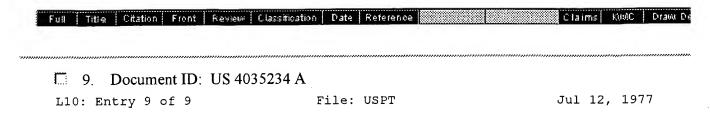
Oct 3, 1978

US-PAT-NO: 4118481

DOCUMENT-IDENTIFIER: US 4118481 A

** See image for <u>Certificate of Correction</u> **

TITLE: Deamino derivatives of the kallikrein-trypsin inhibitor



US-PAT-NO: 4035234

DOCUMENT-IDENTIFIER: US 4035234 A

TITLE: Process for the preparation of the kallikrein-trypsin inhibitor

Full 1	itle Citation	Front	Review	Classification	Date	Referenc	2			Claims	KONC	Draws De
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 NEWS
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 NEWS
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NEWS 12
          SEP 27
 NEWS 13
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 NEWS 14
          OCT 28
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     1994:242123 HCAPLUS
AN
DN
     120:242123
     The balance between inhibition and substrate-type reactions of recombinant
TI
     C1 inhibitor P5/P3 variants
     Eldering, E.; Huijbregts, C. C. M.; Nuijens, J. H.; Hack, C. E.
     Cent. Lab. Netherlands Red Cross Blood Transfus. Serv., Univ. Amsterdam,
     Amsterdam, Neth.
     Behring Institute Mitteilungen (1993), 93(Structure-Function-Relationship
SO
     of Clq and Collectins Cl-Esterases: Clr, Cls and Cl-Inhibitor in Health
     and Disease), 125-30
     CODEN: BHIMA2; ISSN: 0301-0457
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     English
L10 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
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1991:576699 HCAPLUS
AN
     115:176699
DN
     Recombinant preparation of serpin-resistant serine proteinases of the
TI
     chymotrypsin superfamily
     Sambrook, Joseph F.; Madison, Edwin L.; Goldsmith, Elizabeth J.; Gething,
IN
     Maryjane H.; Gerard, Robert D.
     University of Texas System, USA
PA
     PCT Int. Appl., 76 pp.
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     Alpha-1-antitrypsin-Pittsburgh. A potent inhibitor of human plasma factor
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             ***kallikrein*** , and factor XIIf.
     Scott C F; Carrell R W; Glaser C B; Kueppers F; Lewis J H; Colman R W
ΑU
     HL24365 (NHLBI)
NC
50
     Journal of clinical investigation, (1986 Feb) 77 (2) 631-4.
     Journal code: 7802877. ISSN: 0021-9738.
CY
     United States
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DT
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AN
      1994-03130 BIOTECHDS
      Recombinant Kunitz-type-protease-inhibitor derivative production by
TI
      vector plasmid pKol100 series expression in e.g. Saccharomyces
      cerevisiae;
         application in e.g. emphysema, acute respiratory distress syndrome and
         as a vulnerary
PA
      Bayer
      US 5278285 11 Jan 1994
US 1990-473295 1 Feb 1990
US 1990-473295 1 Feb 1990
PΙ
ΑI
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DT
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LA
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1991-02665 BIOTECHDS

AN

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***Protease*** - ***inhibitor***
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                                                                            derived from
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       human bikunin;
           gene cloning and mutagenesis; protein engineering for improved
           activity; DNA sequence
PA
       Baver
       EP 401508 12 Dec 1990
PΙ
       EP 1990-108284 1 May 1990
ΑI
       DE 1990-1244 18 Jan 1990; DE 1989-915689 13 May 1989
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DT
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       ANSWER 4 OF 18 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
L12
       1987-06270 BIOTECHDS
AN
       Engineered alpha-1-antitrypsin variants of increased stability and
TI
       altered specificity;
           protein engineering; anticoagulant development (conference paper)
       Courtney M
ΑU
CS
       Transgene
       (Pub. Address) Online Publications, Online Conferences Ltd., Pinner Green
LO
       House, Ash Hill Drive, Pinner, Middlesex, HA5 2AE, U.K.
       World Biotech Rep.; (1986) 1, B21-B26
SO
DT
       English
LA
      ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
L12
      2004:746670 HCAPLUS
ΑN
      Expression, purification, biochemical and pharmacological characterization
TI
      of a recombinant aprotinin variant
      Apeler, Heiner; Peters, Joerg; Schroeder, Werner; Schneider, Karl-Heinz; Lemm, Georg; Hinz, Volker; Rossouw, Gawie J.; Dembowsky, Klaus Pharma, Bayer HealthCare AG, Wuppertal, Germany Arzneimittel Forschung (2004), 54(8), 483-497
ΑU
CS
SO
      CODEN: ARZNAD; ISSN: 0004-4172
PB
      Editio Cantor Verlag
DT
      Journal
      English
LA
                THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
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     ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN 2002:927457 HCAPLUS 138:21344
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AN
DN
      Cloning, sequence and therapeutic use of human wild-type and
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                        Kunitz-type ***protease*** ***inhibitor***
      Jorgensen, Marianne Ulrich; Bang, Susanne; Olsen, Ole Hvilsted; Petersen,
ΙN
      Lars Christian
PA
      Novo Nordisk A/S, Den.
S0
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     WO 2002-DK372
     ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
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      2002:674101 HCAPLUS
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      137:348285
DN
      .alpha.1-Proteinase inhibitor mutants with specificity for plasma
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TI

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***kallikrein***
                                and Cls but not Cl
      Sulikowski, Thomas; Bauer, Bryan A.; Patston, Philip A.
ΑU
      Department of Oral Medicine and Diagnostic Sciences, University of
CS
      Illinois at Chicago, Chicago, IL, 60612, USA
Protein Science (2002), 11(9), 2230-2236
CODEN: PRCIEI; ISSN: 0961-8368
SO
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      Journal
DT
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      Adhesion protein, ***inhibitor***
                               ***protease***
TI
      treatment of epithelial cell adhesion-associated diseases
      Tazi-Ahnini, Rachid; Bavik, Claes; Ward, Simon; Duff, Gordon; Cork,
IN
      Michael
      Molecular Skincare Limited, UK
PA
      PCT Int. Appl., 257 pp.
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20855 A5 20020611 AU 2002-20855 20011130
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24010 T2 20040812 JP 2002
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      JP 2004524010
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      ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
      1998:798721 HCAPLUS
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      130:151492
      Inhibition of serine proteases by reactive site mutants of protein C
TI
      inhibitor (plasminogen activator inhibitor-3)
      Elisen, M. G. L. M.; Bouma, B. N.; Church, F. C.; Meijers, J. C. M.
ΑU
      Department of Haematology, University Hospital, Utrecht, 3508 GA, Neth. Fibrinolysis & Proteolysis (1998), 12(5), 283-291
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LA
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      of target protease specificity: Inhibition of complement and contact
      system proteases
      Zahedi, Rana; Wisnieski, Jeffrey; Davis, Alvin E., III
Division of Nephrology, Children's Hospital Research Foundation, and Dep.
of Pediatrics, University of Cincinnati College of Medicine, Cincinnati,
ΑU
CS
      OH, 45229, USA
      Journal of Immunology (1997), 159(2), 983-988
50
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CODEN: JOIMA3; ISSN: 0022-1767
PB American Association of Immunologists

DT Journal LA English

RE.CNT

27

THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 2,3 ab

ANSWER 2 OF 18 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN A modified Kunitz ***protease*** - ***inhibitor*** ***var L12 ***variant*** AB is claimed which consists of a specified protein sequence and which is modified at position 16, 17 and 39 by Ala16, Arg17 and Arg39. In a wider disclosure a new Kunitz-type protease-inhibitor is disclosed whose protein sequence was deduced from cDNA clones which cover 3 kb of the type IV collagen alpha-3 chain mRNA. The cDNA was isolated from a placenta and a fibroblast cDNA bank. Also disclosed are inhibitor variants which have amino acid replacements in 1 or more positions in and/or around the active center of and optionally extensions and/or deletions. A synthetic DNA sequence of the natural alpha-3 (VI) inhibitor gene was derived from a human type IV collagen cDNA clone encoding a 58 residue part of the C-terminal globular domain C5. ***variants*** Site-directed mutagenesis was carried out to produce ***protease*** - ***inhibitor*** ***variant*** ***inhibitor*** of serine ***proteases*** specific such as plasma ***kallikrein*** (EC-3.4.21.8) and pancreatic and leukocyte elastase (EC-3.4.21.11). It can be used in the treatment of e.g. emphysema, acute respiratory distress syndrome and coagulation disorders.

ANSWER 3 OF 18 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN New protease-inhibitors (I) comprise protein sequence 21-147 of human bikunin in which at least 1 amino acid has been exchanged for another, and may have an additional N-terminal peptide containing amino acids 1-21 of human bikunin. Also new are fragments of (I), preferably fragments of sequences 22-77, 1-77 and 78-147, having protease-inhibitor activity. Preferred compounds have the following alterations, in any suitable combination: Met-36 replaced by Leu, Ile, Val, Arg, Phe, Tyr, Trp or Lys; Met-38 by Leu, Arg, Ile, Val or Lys; Asn-45 by another amino acid; Arg-92 by Leu, Ile, Val, Phe or Lys; Phe-94 by Leu, Arg, Lys, Ile or Val; Trp-98 by Lys, Ile, Val, Phe, Leu, Ala, Gly or Ser; and/or Glu-116 by Arg or Lys. (I) may be glycosylated or nonglycosylated. The protein engineering is performed using synthetic genes cloned into vector plasmids and expressed in bacterial or eukaryotic cells, or by mutagenesis of the natural gene. The products have elastase-inhibitor, cathepsin-G-inhibitor and ***kallikrein*** -inhibitor activity. They may be used in therapy of emphysema, septic shock, rheumatoid arthritis, coagulation disorders, etc. (29pp)

=> d 11-18

L12 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:538912 HCAPLUS

DN 125:239601

TI Selection for protease inhibitors using bacteriophage display

AU Markland, William; Roberts, Bruce L.; Ladner, Robert C.

CS Vertex Pharm., Inc., Cambridge, MA, 02139, USA

Methods in Enzymology (1996), 267(Combinatorial Chemistry), 28-51 CODEN: MENZAU; ISSN: 0076-6879

PB Academic

DT Journal

LA English

- L12 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2004 ACS on STN
- AN 1993:55124 HCAPLUS
- DN 118:55124
- TI Proteinase inhibitors derived from the protease-inhibiting region of amyloid precursor protein
- IN Kitaguchi, Nobuya; Shiojiri, Satoshi; Takahashi, Yasuyuki
- PA Asahi Chemical Industry Co., Ltd., Japan
- SO Jpn. Kokai Tokkyo Koho, 17 pp. CODEN: JKXXAF
- DT Patent
- LA Japanese

FAN. CNT 1

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                                  of human Kunitz
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EP 621871

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                                       19960528 (199626)
        NZ 246567
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                                       19960905 (199647)
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        WO 9314119 A1 WO 1993-DK2 19930107; AU 9333457 A AU 1993-33457 19930107, WO 1993-DK2 19930107; ZA 9300098 A ZA 1993-98 19930107; FI 9403231 A WO
ADT
        1993-DK2 19930107, FI 1994-3231 19940706; NO 9402552 A WO 1993-DK2
        19930107, NO 1994-2552 19940706; EP 621869 A1 EP 1993-902103 19930107, WO
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        1993-511990 19930107, Wo 1993-DK2 19930107; HU 70292 T WO 1993-DK2
        19930107, HU 1994-1993 19930107; NZ 246567 A NZ 1993-246567 19930107, WO
        1993-DK2 19930107; AU 671611 B AU 1993-33457 19930107; EP 621869 B1 EP
        1993-902103 19930107, wo 1993-DK2 19930107; US 5629176 A Cont of wo
        1993-DK2 19930107, Cont of US 1993-26135 19930224, US 1994-334773
        19941104; DE 69310141 E DE 1993-610141 19930107, EP 1993-902103 19930107,
        WO 1993-DK2 19930107
        AU 9333457 A Based on WO 9314119; EP 621869 A1 Based on WO 9314119; JP
FDT
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        A Based on WO 9314119; AU 671611 B Previous Publ. AU 9333457, Based on WO
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                A01N000-00; A61K037-64; A61K038-00; A61K038-55; A61K038-57;
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STN

AN GA 2003:77344 SCISEARCH

The Genuine Article (R) Number: 631QD

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L12
       ANSWER 13 OF 18 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN
       WO2004087912 A UPAB: 20041101

NOVELTY - A chimeric inhibitor protein of a protease (I) comprises an inhibiting polypeptide sequence and at least one polypeptide sequence of a substrate-enzyme interaction site specific for the protease, is new.
              DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
       following:

    a purified and isolated DNA sequence encoding (I);

              (2) an expression vector comprising the purified and isolated DNA
       sequence of (1);
              (3) a eukaryotic or prokaryotic host cell transfected with the
       expression vector of (2);
              (4) a pharmaceutical composition comprising (I) as an active agent,
       and optionally in combination with one or more pharmaceutical carriers;
              (5) treating or preventing a proteolysis-associated disorder in a
       mammal
              (6) producing the chimeric inhibitor protein of a protease; and
       (7) a diagnostic kit for the detection of a protease in a specimen comprising: (a) a purified and isolated DNA sequence selected from 7
       sequences comprising 1239 bp fully defined in the specification (SEQ ID
       NO. 1-13, odd numbers only), complementary sequences, fragments, and/or ***variants***; or (b) a chimeric ***inhibitor*** of a
         ***protease***
       ACTIVITY - Cytostatic; Immunosuppressive; Antiinflammatory; Antimicrobial. No biological data given.
             MECHANISM OF ACTION - Gene Therapy.
       USE - The pharmaceutical composition is useful for the preparation of a medicament for the treatment or prevention of a proteolysis-associated disorder in a mammal. The disorder is a disorder in which hK2
       ***kallikrein*** activity is detrimental. Preferably, the disorder is a cancer, an autoimmune disorder, an inflammatory disorder, or an infectious
       disorder. Cancer is prostate cancer, breast cancer, or a metastasic
       cancer. The inflammatory disorder is Benign Prostatic Hypertrophy (all claimed). The chimeric inhibitor protein of a protease is useful for
       treating or preventing a proteolysis-associated disorder in a mammal.
       Dwg.0/1\overline{1}
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 of the Kunitz-type   ***protease***     ***inhib
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      Enhanced
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                                                                               ***inhibitor***
      domain of the amyloid beta-protein precursor.
      Van Nostrand W E; Schmaier A H; Siegel R S; Wagner S L; Raschke W C
AU
CS
      Department of Microbiology and Molecular Genetics, College of Medicine,
      University of California, Irvine 92717-4025, USA.
NC
      HL03229 (NHLBI)
      HL49566 (NHLBI)
      Journal of biological chemistry, (1995 Sep 29) 270 (39) 22827-30.
SO
      Journal code: 2985121R. ISSN: 0021-9258.
      United States
CY
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DT
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      Priority Journals
FS
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      Last Updated on STN: 19970203
      Entered Medline: 19951106
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L14
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TI
      The link module from human TSG-6 inhibits neutrophil migration in a
      hyaluronan- and inter-alpha-inhibitor-independent manner
ΑU
      Getting S J; Mahoney D J; Cao T; Rugg M S; Fries E; Milner C M; Perretti
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      Univ Oxford, Dept Biochem, MRC, Immunochem Unit, S Parks Rd, Oxford OX1 3QU, England (Reprint); Univ Oxford, Dept Biochem, MRC, Immunochem Unit,
CS
      Oxford OX1 3QU, England; St Bartholomews & Royal London Sch Med & Dent, William Harvey Res Inst, Dept Biochem Pharmacol, London EC1M 6BQ, England;
      Univ Uppsala, Dept Med Biochem & Microbiol, S-75123 Uppsala, Sweden
      England; Sweden
CYA
      JOURNAL OF BIOLOGICAL CHEMISTRY, (27 DEC 2002) Vol. 277, No. 52, pp.
SO
      51068-51076.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC. 9650 ROCKVILLE
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DT
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LA
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REC
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     The Link Module from Human TSG-6 Inhibits Neutrophil Migration in a
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     Hyaluronan- and Inter-[alpha]-inhibitor-independent Manner
ΑU
     Getting, S.J.; Mahoney, D.J.; Cao, T.; Rugg, M.S.; Fries, E.; Milner,
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     Department of Biochemical Pharmacology, The William Harvey Research
CS
     Institute, St. Bartholomew's and the Royal London School of Medicine and
     Dentistry, London EC1M 6BQ, United Kingdom; E-mail:
     tony.day@bioch.ox.ac.uk.
      Journal of Biological Chemistry [J. Biol. Chem.], vol. 277, pp.
SO
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     ISSN: 0021-9258.
DT
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LA
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SL
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AN
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      Protease-inhibitor-resistant_serine protease enzyme engineering and
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      pastoris.
          CHO, COS, HeLa, 293, BHK, melanoma, human hepatoma cell, NIH3T3 cell
          culture; application in blood-clotting related-disease therapy
PA
      Brit.Bio-technol.
PΙ
      WO 9403614 17 Feb 1994
ΑI
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      GB 1992-16558 4 Aug 1992
DT
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05
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     Carrell, Wayne Robin; Huntington, James Andrew; Zhou, Aiwu
PA
     Cambridge University Technical Services Limited, UK
SO
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      Inhibition of tumors by suppressing activity of inhibitors of proteases or
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      nonproteolytic matrix-degrading enzymes
      Brunner, Nils; Roemer, John; Ellis, Vincent; Pyke, Charles;
 IN
      Groendahl-Hansen, Jan; Pedersen, Helle; Hansen, Heine Hoei; Danoe, Keld
      Cancerforskningsfonden af 1989, Den.
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     Preparation of deletion ***mutants*** of polypeptide AN68 as
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ΙN
     Morishita, Hideaki; Kanamori, Toshuki; Nobuhara, Masahiro
     Mochida Pharm Co Ltd, Japan
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     Jpn. Kokai Tokkyo Koho, 27 pp.
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     Human kunitz-type ***protease*** ***inhibitor*** ***variants***
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       their manufacture with recombinant cells, and their use in disease
ΙN
     Bjoern, Soeren Erik; Norris, Kjeld; Norris, Fanny; Petersen, Lars
     Christian; Olsen, Ole Hvilsted
PA
     Novo Nordisk A/S, Den.
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      domain II of human tissue factor pathway inhibitor, their manufacture with
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IN
      Norris, Fanny; Norris, Kjeld; Bjoern, Soeren Erik; Petersen, Lars
      Christian; Olsen, Ole Hvilsted
      Novo Nordisk A/S, Den.
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     Reverse biochemistry: use of macromolecular protease inhibitors to dissect
TI
     complex biological processes and identify a membrane-type serine protease
     in epithelial cancer and normal tissue.
ΑU
     Takeuchi T; Shuman M A; Craik C S
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Department of Pharmaceutical Chemistry, University of California, San

CS

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Francisco, CA 94143, USA.
NC
      CA71097 (NCI)
      CA72006 (NCI)
      Proceedings of the National Academy of Sciences of the United States of
SO
      America, (1999 Sep 28) 96 (20) 11054-61.
Journal code: 7505876. ISSN: 0027-8424.
      United States
CY
      Journal; Article; (JOURNAL ARTICLE)
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os
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       Use of serine protease-inhibitor C1-INH;
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       Genentech
PA
       WO 9222320 23 Dec 1992
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